

IN THE CLAIMS

Please amend the claims as follows:

1. (currently amended) A work machine, comprising:

a chassis;

at least one ground engaging member;

at least one elongate member having a first end and a second end;

said first end rotatably coupled with said chassis;

said second end coupled to said ground engaging member;

~~a controller;~~

~~a position sensor coupled to at least one of said elongate members;~~

at least one of: (i) said a position sensor for generating a position signal indicative of an orientation of said elongate member relative to said chassis and relaying said position signal to said controller; and (ii) a roll sensor for generating a orientation signal indicative of a transverse pitch of said chassis and relaying said orientation signal to said controller; and

~~said controller, in response to said position signal determining an actual height of said chassis from said position signal and adjusting said actual chassis height to conform to a controller inputted desired chassis height. a controller for calculating an average slope value and adjusting the chassis to a desired orientation in response thereto based on at least one of said position signal or said orientation signal.~~

2. (original) The work machine as set forth in claim 1 wherein said position sensor comprises a potentiometer.

3. (original) The work machine as set forth in claim 1 wherein said chassis includes:

a cab portion; and

a first trailer portion hingedly coupled to said cab portion.

4. (original) The work machine as set forth in claim 1 including a motive device coupled to said second end for imparting motion to said ground engaging member.

5. (original) The work machine as set forth in claim 4 wherein said motive device is a hydraulic motor.

6. (currently amended) The work machine as set forth in claim 4 including a second trailer portion coupled to said first trailer portion.

7. (original) The work machine as set forth in claim 6 wherein said second trailer portion is articulable relative to said first trailer portion.

8. (currently amended) The work machine as set forth in claim 1 ~~including~~ wherein:
~~a roll sensor coupled to said chassis;~~
~~said roll sensor generating a orientation signal indicative of a transverse pitch of said chassis and relaying said orientation signal to said controller; and~~
said controller, in response to at least one of said position signal or said orientation signal, ~~adjusting~~ adjusts at least one said elongate member to orient said chassis substantially horizontally.

9. (currently amended) The work machine as set forth in claim 8 1 wherein said roll sensor comprises a gravity operated sensor.

10. (original) The work machine as set forth in claim 9 wherein said gravity operated sensor is a pendulum.

11. (canceled)
12. (canceled)
13. (canceled)

14. (currently amended) A method of stabilizing the chassis of a work machine of the type having at least one elongate member having a first end rotatably coupled with the chassis, comprising the steps of:

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~~providing a controller;~~
~~providing a position sensor coupled to at least one of the elongate members;~~
~~said position sensor generating a position signal indicative of an orientation of the elongate member relative to the chassis and relaying said position signal to said controller; and~~

~~said controller, in response to said position signal, determining an actual height of the chassis from said position signal and adjusting said actual chassis height to conform to a controller inputted desired chassis height.~~

sensing at least one of: (i) the orientation of at least one of the elongate members and generating a position signal in response thereto, or (ii) the transverse pitch of the chassis and generating an orientation signal in response thereto;

calculating an average slope value based on at least one of said position signal or orientation signal; and

adjusting the chassis to a desired orientation in response thereto.

15. (currently amended) The method as set forth in claim 14 including the step of:

~~providing a roll sensor coupled to the chassis;~~
~~said roll sensor generating an orientation signal indicative of a transverse pitch of the chassis and relaying said orientation signal to said controller; and~~

~~said controller, in response to said orientation signal, adjusting at least one elongate member to orient wherein the desired orientation of the chassis is substantially horizontally horizontal.~~

16. (currently amended) The method as set forth in claim 15 wherein said step of sensing the transverse pitch of the chassis is with said roll sensor comprises a gravity operated sensor.

6 17. (original) The method as set forth in claim 14 including the step of:
providing the chassis with a cab portion and a first trailer portion hingedly coupled to said cab portion.

18. (original) The method as set forth in claim 17 including the step of providing a second trailer portion coupled to said first trailer portion.

19. (currently amended) The method as set forth in claim 14 wherein said step of sensing the orientation of at least one of the elongate members ~~position sensor comprises~~ is with a potentiometer.
